



TEQIP III- Sponsored Online Short Term Course on

Advanced Energy Materials

(October 12-16, 2020)

PATRON

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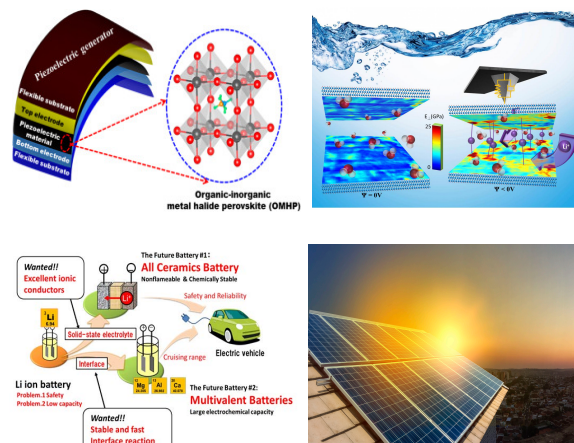
Dr Abhinav Pratap Singh
Department of Physics
NIT Jalandhar

Course Timings

Session 1:
10:30 AM – 12:00 PM
Session 2:
03:00 PM – 04:30 PM

About the Department:

The Department of Physics started in 1989 at the erstwhile REC, Jalandhar. Originally oriented towards teaching undergraduate (B.Tech.) students, the department has come a long way since – today the department in addition runs M.Sc. and Ph.D. programs. The department strives to emerge as a premier centre of Physics education and research across the country. The total no. of publications of the faculty of department of physics is more than 1200. The faculty of our department is highly competent in their respective areas of research.



About STC

The increasing energy demand due to growing global population and the critical relationship between Energy, environment and sustainability lead to novel discoveries and advancements in the field of Energy Materials in search of alternative resources. Energy materials are making groundbreaking developments in the science of materials innovation and production. The major significance of Energy helps in strengthening the research and advancement of materials for energy applications. The universal emphasis on energy is to develop materials for energy generation, low energy processing, energy conservation and conversion to meet the increasing energy demand. Advancing our science and technology, from fundamental breakthroughs in materials and physics to improve the manufacturing processes, is critical to our energy future. These advances will require a new generation of advanced materials. Apart from this, STC will also aim to cover research Topic like waste-to-wealth concept and will focus on recent developments in multifarious wastes-derived smart materials for energy applications (super capacitors, lithium-/sodium-ion batteries, metal-air batteries, solar cells, water splitting, etc.). This STC will help the academicians and researchers to get acquainted with the fundamental breakthroughs in materials and technology in improving manufacturing processes, which is critical to our future energy requirements.

About NIT Jalandhar

Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. Now the Ministry of Education, Government of India has declared the Institute as "Institute of National Importance" under the act of Parliament-2007. A large number of reputed Industrial houses in the country visit the Institution and select final year students as Engineers/ Management Trainees. As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers BTech, MTech, MSc, MBA and PhD programmes in the several disciplines of Engineering, Technology and Sciences. We are pleased to inform that the institute ranked 52 position amongst top 200 Indian institutes, and 12th among the 31 NITs in NIRF ranking 2020. For more info: <http://www.nitj.ac.in>

Tentative list of speakers

Prof. O. N. Srivastava, BHU, Banaras
Prof. E. V. Sampathkumaran, UGC-DAE CSR Mumbai
Prof. Satish Ogale, IISER Pune
Prof. Sundaresan, JNCASR, Bangalore
Prof. Amreesh Chandra, IIT Kharagpur
Prof. Rajeev Ranjan, IISc Bangalore
Dr. P.C. Pant, Ministry of Renewable Energy, Gol
Prof. Kanishka Biswas, JNCASR, Bangalore
Prof. Sagar Mitra, IIT Bombay
Prof. R. Ranjith, IIT Hyderabad
Dr. Manjusha V. Shelke, NCL Pune
Dr. S. Bhattacharya, BARC Mumbai

For Registration please visit the following
link or scan QR Code:
<https://forms.gle/7ZWxuv9mXVs7RfQV6>



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